

*Amendments to the Specification*

Please amend the abstract of the application as follows:

An instrumented ball-bearing ~~may include~~ includes a rotating part, a non-rotating part, and an assembly for detecting rotation parameters. The assembly for detecting rotation parameters ~~may include~~ includes an encoder and a sensor. The sensor ~~may be~~ is integrated with the non-rotating part. The sensor ~~may include~~ includes a sensor unit and at least a microcoil. The microcoil ~~may have~~ has a substantially planar winding. The microcoil ~~may be~~ is positioned in the sensor unit of the non-rotating part such that the microcoil ~~may be~~ is positioned axially opposite the encoder.